

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHOD AND APPARATUS FOR DISC DRIVE BUFFER SEGMENT MANAGEMENT**, the specification of which:

(check one) ☐ is attached hereto.
☒ was filed on May 24, 2001, as
Application Serial No. 09/866,252
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application (s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
			<input type="checkbox"/>	<input type="checkbox"/>
			Yes	No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)		

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

<u>60/206,743</u>	<u>05/24/00</u>	<u>Abandoned</u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status)
		(patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Raymond R. Moser Jr., Reg. No. 34,882; Charles Lee Thomason, Reg. No. 31,431; B. Todd Patterson, Reg. No. 37,906; Eamon J. Walli, Reg. No. 39,414; Kin-Wah Tong, Reg. No. 39,400; Keith M. Tackett, Reg. No. 32,008; Douglas H. Elliott, Reg. No. 32,982; James A. Sheridan, Reg. No. 25,435; and W. Eric Webostad, Reg. No. 35,408, provided that if any one of said attorneys ceases being affiliated with the law firm of MOSER, PATTERSON & SHERIDAN, LLP as partner, employee or of counsel, such attorney's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Direct all telephone calls to James A. Sheridan at (650) 320-0000.

Address all correspondence to:

MOSER, PATTERSON & SHERIDAN, LLP
4149 El Camino Way, Suite B
Palo Alto, California 94306-4036

File No. 8035145

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first
Inventor:

Jonathan W. Haines

Inventor's signature:

Date:

Residence:

Lafayette, Colorado 80026-8834

Citizenship:

US

Post Office Address:

2285 Autumn Ridge Blvd.

Lafayette, Colorado 80026-8834

Full name of second
Inventor:

William S. Herz

Inventor's signature:

William S. Herz

Date:

10-16-01

Residence:

Hayward, California 94542

Citizenship:

US

Post Office Address:

25439 Old Fairview Ave.

Hayward, California 94542

Declaration for Patent Application

Page 2

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(check one) ☒ is attached hereto.
☐ was filed on _____ as
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and was amended on _____.
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Prior Foreign Application(s)

Priority Claimed

☐ ☐
Yes No

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(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

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P. 03

P. 02

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Raymond R. Moser Jr., Reg. No. 34,882; Charles Lee Thomason, Reg. No. 31,431; B. Todd Patterson, Reg. No. 37,906; Eamon J. Wall, Reg. No. 39,414; Kin-Wah Tong, Reg. No. 39,400; Keith M. Tackett, Reg. No. 32,008; Douglas H. Elliott, Reg. No. 32,982; James A. Sheridan, Reg. No. 26,435; and W. Eric Websted, Reg. No. 38,406, provided that if any one of said attorneys ceases being affiliated with the law firm of THOMASON, MOSER & PATTERSON, LLP as partner, employee or of counsel, such attorney's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

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THOMASON, MOSER & PATTERSON, LLP
4149 El Camino Way, Suite B
Palo Alto, California 94306-4036

File No. 8048146

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Full name of first
inventor:

Jonathan W. Haines

Inventor's signature:

Jonathan W. Haines

Date:

5/23/2001

Residence:

Lafayette, Colorado 80026-8834

Citizenship:

US

Post Office Address:

2285 Autumn Ridge Blvd.

Lafayette, Colorado 80026-8834

Full name of second
inventor:

William S. Herz

Inventor's signature:

Date:

Residence:

Hayward, California 94542

Citizenship:

US

Post Office Address:

25438 Old Fairview Ave.

Hayward, California 94542

Declaration for Patent Application
Page 2

May 22 2001 15:11 P. 34

Fax: 4085736892

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

AUGUST 27, 2001

PTAS

THOMASON, MOSER & PATTERSON LLP
JAMES A. SHERIDAN
4149 EL CAMINO WAY
SUITE B
PALO ALTO, CA 94306-4036



101751443A

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/24/2001

REEL/FRAME: 011895/0359
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HAINES, JONATHAN W.

DOC DATE: 05/23/2001

ASSIGNOR:
HERZ, WILLIAM S.

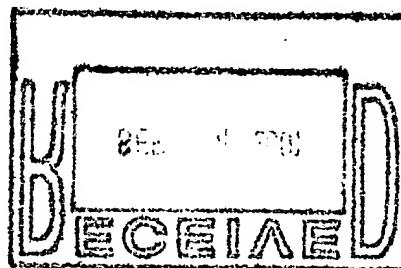
DOC DATE: 05/24/2001

ASSIGNEE:
SEAGATE TECHNOLOGY LLC
920 DISC DRIVE
BUILDING 15
SCOTTS VALLE, CALIFORNIA 95066

SERIAL NUMBER: 09866252
PATENT NUMBER:

FILING DATE: 05/24/2001
ISSUE DATE:

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



06-20-2001

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



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U.S. Department of Commerce
Patent and Trademark Office

JC812 U.S. PTO
09/866252

05/24/01

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

JONATHAN W. HAINES and WILLIAM S. HERZ

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 05/23/01 & 05/24/01

5/24/01

2. Name and address of receiving party(ies):

Name: Seagate Technology LLC

Internal Address: _____

Street Address: 920 Disc Drive, Building 15City: Scotts Valley State: California Zip: 95066

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: May 24, 2001 (Date of Filing)

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

09/866252

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. SheridanInternal Address: Thomason, Moser & Patterson, LLPStreet Address: 4149 El Camino Way, Suite BCity: Palo Alto State: California Zip: 94306-40366. Total number of applications and patents involved: 17. Total fee (37 C.F.R. 3.41)----- \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 20-0782

Please debit underpayment or credit any overpayment to the above deposit account.

Our Order No. 8045145

(Attach duplicate of this page if paying by deposit account.)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James A. Sheridan, Reg. No. 25,435

Name of Person Signing

James A. Sheridan
Signature

May 24, 2001

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

20/2001 AAHMED1 00000003 200782 09866252

FORMS 272 (AUGUST 20, 1993)
581 40.00 CH

WILLIAM S. HERZ (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, thi
____ day of _____, 20 ____.

Notary Public

(SEAL)



UNITED STATES
PATENT AND
TRADEMARK OFFICE

STL 5145

MAY 08, 2003

PTAS

MOSER, PATTERSON & SHERIDAN, LLP
JAMES A. SHERIDAN
350 CAMBRIDGE AVENUE, SUITE 250
PALO ALTO, CA 94306

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 12/16/2002

REEL/FRAME: 013633/0388
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HAINES, JONATHAN W.

DOC DATE: 05/23/2001

ASSIGNOR:

HERZ, WILLIAM S.

DOC DATE: 11/24/2002

ASSIGNEE:

SEAGATE TECHNOLOGY LLC
920 DISC DRIVE, BUILDING 15
SCOTTS VALLEY, CALIFORNIA 95066

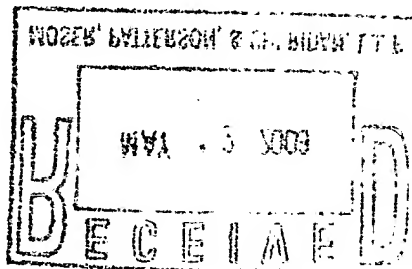
SERIAL NUMBER: 09866252

FILING DATE: 05/24/2001

PATENT NUMBER:

ISSUE DATE:

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



01-09-2003

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



U.S. Department of Commerce
Patent And Trademark Office

102333122

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

JONATHAN W. HAINES and WILLIAM S. HERZ

12-16-02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: May 23, 2001 & November 24, 2002

2. Name and address of receiving party(ies):

Name: Seagate Technology LLC

Internal Address: _____

Street Address: 920 Disc Drive, Building 15

City: Scotts Valley State: California Zip: 95066

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: May 24, 2001 (Date of Filing)

A. Patent Application No.(s) 09/866,252

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Sheridan

Internal Address: Moser, Patterson & Sheridan, LLP

Street Address: 350 Cambridge Avenue, Suite 250

City: Palo Alto State: California Zip: 94306

6. Total number of applications and patents involved

7. Total fee (37 C.F.R. 3.41) 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 20-0782

Please debit underpayment or credit any overpayment to the above deposit account.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James A. Sheridan, Reg. No. 25,435

Name of Person Signing

Signature

10/09/02 Date

Total number of pages including cover sheet, attachments and document: 2

01/08/2003 LMUELLER 00000130 200782 09866252

01 FC:8021 40.00 CH

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

File No. A-68559/SEA2788/JAS

ASSIGNMENT

Attorney Docket No.: 8035145
Seagate Docket No.: SEA 5145

WHEREAS, we, Jonathan W. Haines, 2285 Autumn Ridge Blvd., Lafayette, Colorado 80026-8834; and William S. Herz, 25439 Old Fairview Ave., Hayward, California 94542 are the inventors of an invention entitled **METHOD AND APPARATUS FOR DISC DRIVE BUFFER SEGMENT MANAGEMENT** that is the subject matter of:

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 09/866,252 filed May 24, 2001; and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ filed on _____; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

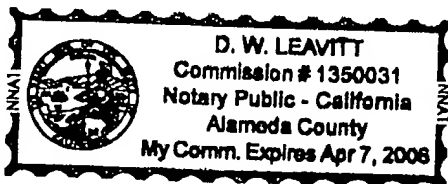
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

William S. Herz
WILLIAM S. HERZ (Inventor)

Subscribed and sworn to before me at MOUNTAIN VIEW, CA, a Notary Public, this
24th day of Nov, 2002.



(SEAL)

[Signature]
Notary Public